

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	M109341	Client:	Alaskan Copper Works
Date Received:	12/21/06	Project:	PO# M109341, F&BI 612233
Date Extracted:	12/26/06	Lab ID:	612233-01
Date Analyzed:	01/03/07	Data File:	612233-01.018
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	99	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	1,770
Nickel	1,420
Copper	588
Zinc	30.6

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	PO# M109341, F&BI 612233
Date Extracted:	12/26/06	Lab ID:	I6-459 mb
Date Analyzed:	01/03/07	Data File:	I6-459 mb.016
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	104	Limit:	Limit:
		60	125

Analyte:	Concentration
	ug/L (ppb)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/08/07

Date Received: 12/21/06

Project: Metro Self Monitor, PO# M109341, F&BI 612233

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS BY EPA METHOD 200.8**

Laboratory Code: 612223-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	1,770	1,780	0	0-20
Nickel	ug/L (ppb)	1,420	1,450	0	0-20
Copper	ug/L (ppb)	588	580	1	0-20
Zinc	ug/L (ppb)	30.6	31.1	2	0-20

Laboratory Code: 612233-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	2	1,770	69 b	50-150
Nickel	ug/L (ppb)	2	1,420	0 b	50-150
Copper	ug/L (ppb)	2	588	0 b	50-150
Zinc	ug/L (ppb)	5	30.6	104 b	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	99	70-130
Nickel	ug/L (ppb)	20	106	70-130
Copper	ug/L (ppb)	20	101	70-130
Zinc	ug/L (ppb)	50	99	70-130

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

January 8, 2007



INVOICE #07ACU0108-2

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M109341, F&BI 612233 - Results of testing requested by Gerry Thompson for material submitted on December 21, 2006.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 200.8 @ \$80 per sample	\$ 80.00
Amount Due	\$ 80.00

FEDERAL TAX ID #(b) (6)

612233

SAMPLE CHAIN OF CUSTODY

ME 12/21/00

AI4

Send Report To Geo Thompson
 Company Alaskan Copper Works
 Address 628 S. Harvard St
 City, State, ZIP Seattle WA 98184
 Phone # 206-382-8328 Fax # 206-382-4309

SAMPLERS (Signature)
 PROJECT NAME/NO. Memo Self Monitor PO # M109341
 REMARKS

Page # _____ of _____
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by: _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED							Notes	
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS			
M109341	01	12/21	12:20	H2O	1									

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
<u>(Signature)</u>	<u>G. Thompson</u>	<u>ACW</u>	<u>12/21</u>	<u>2:20 PM</u>
<u>(Signature)</u>	<u>Nhan Phan</u>	<u>FEBI</u>	<u>12/21/00</u>	<u>V</u>
Relinquished by:				
Received by:				

Samples received at 20 °C

FRIEDMAN & BRUYA, INC.

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January 8, 2007

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on December 21, 2006 from the Metro Self Monitor, PO# M109341, F&BI 612233 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0108R